

FIG. 1

(PRIOR ART)

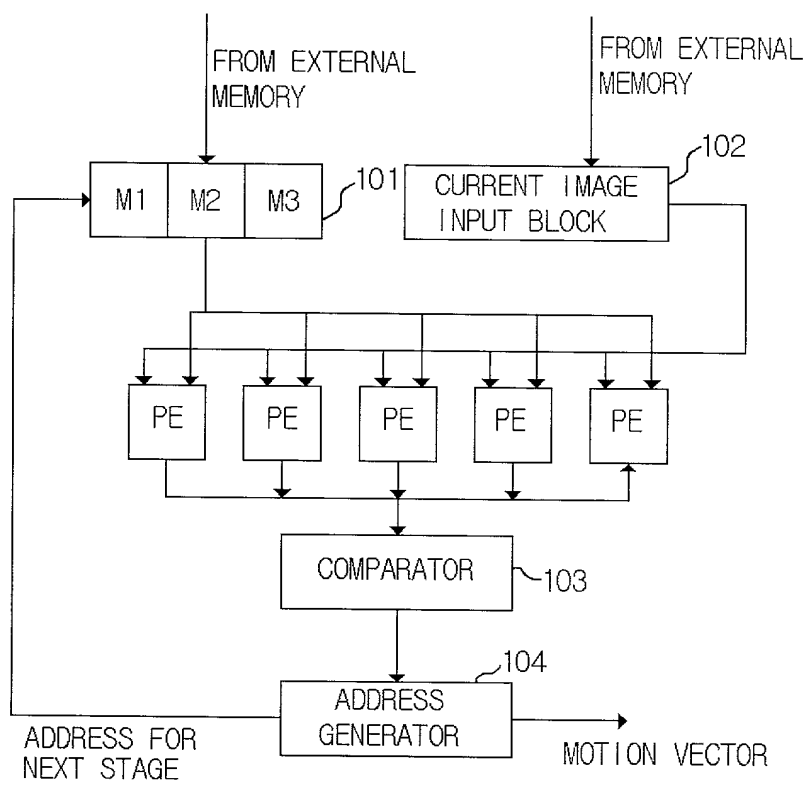


FIG. 10" 85F 94B60

FIG. 2

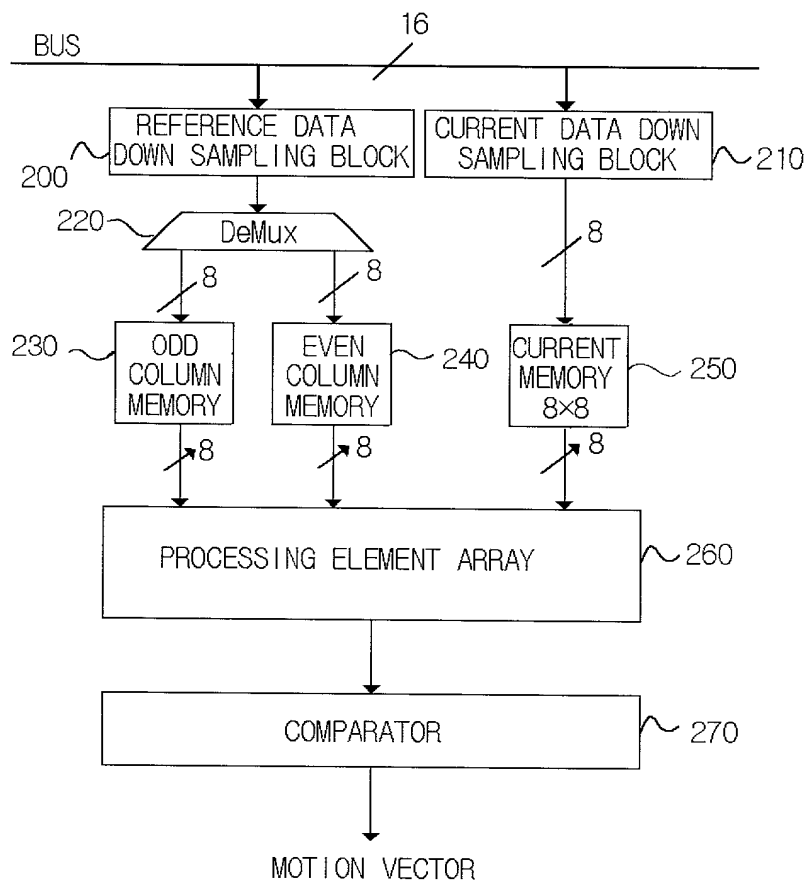


FIG. 3

REFERENCE AND CURRENT DATA DOWN SAMPLING

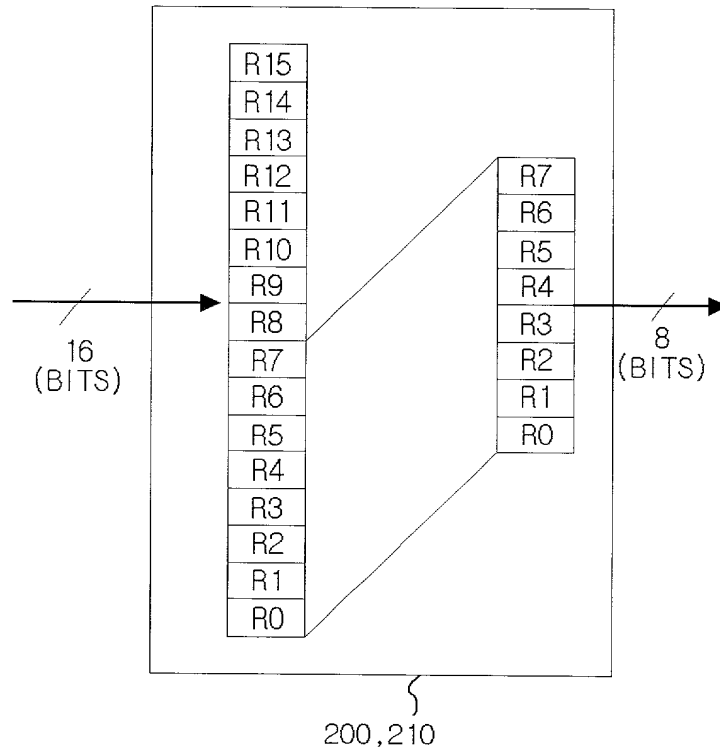


FIG. 4

SEARCH MEMORY ADDRESS ODD MAPPING

24																							
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
24							31	32						39	40							47	
48							55	56						63	64							71	
72							79	80						87	88							95	
96								104														119	
120								128															
144								152															
168							175	176						183								191	
192																							
216																							
240																							
264																							287

SEARCH MEMORY ADDRESS EVEN MAPPING

24																							
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
24							31	32						39	40							47	
48							55	56						63	64							71	
72							79	80						87	88							95	
96								104														119	
120								128															
144								152															
168							175	176						183								191	
192																							
216																							
240																							
264																							287

0	23
24	575
ODD	
EVEN	
ODD	
EVEN	
ODD	
EVEN	
ODD	

FIG. 4

FIG. 5A

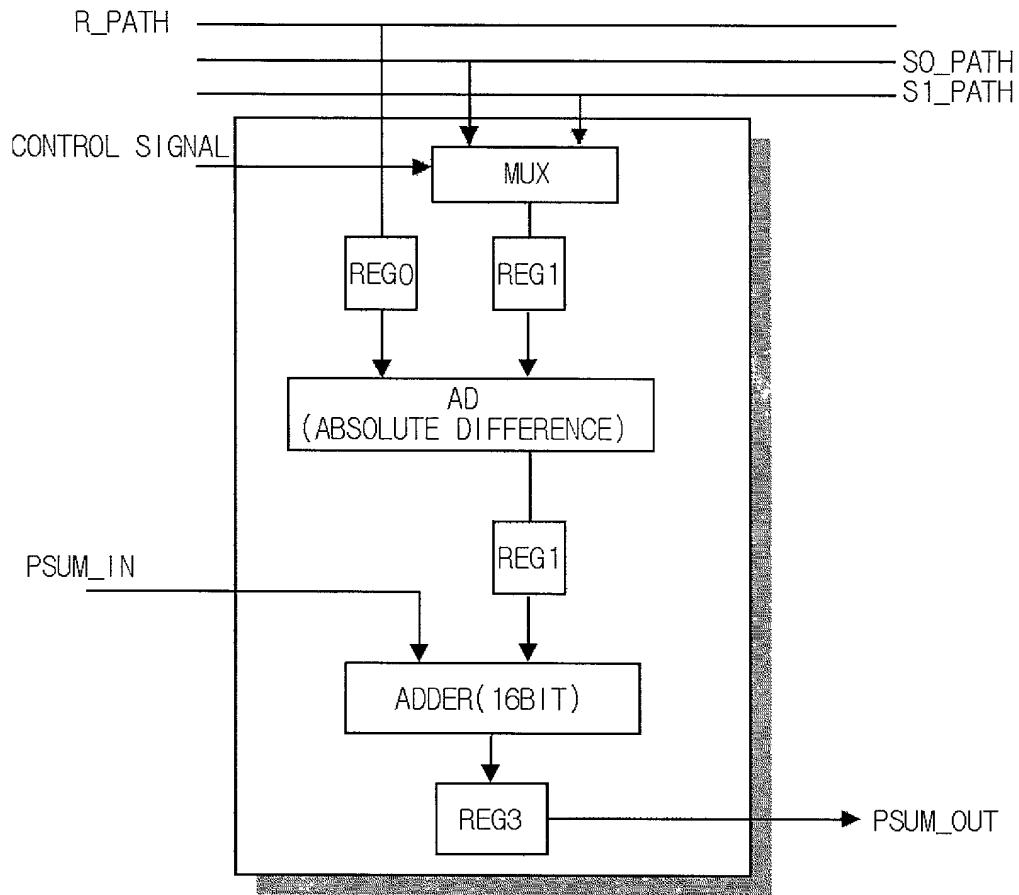


FIG. 5B

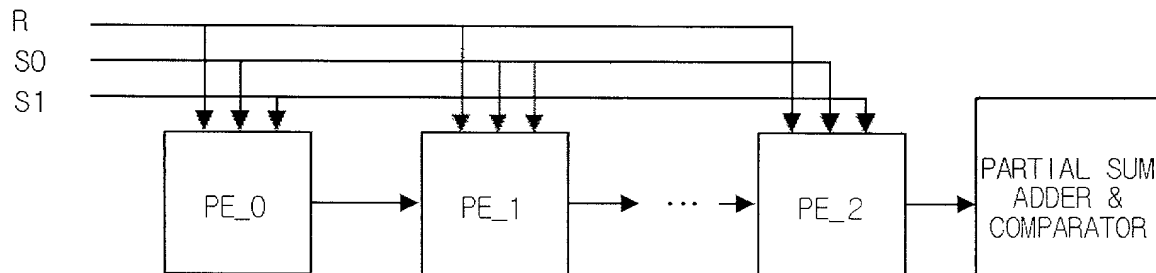


FIG. 6

QCIF(11×9)
 SEARCH REGION MEMORY WRITE MAP
 PREFPELINE "A" WRITE, (0,0) PIPELINE "B" WRITE, OTHERS "C" WRITE
 READ A→B→C

	0	1	2	3	4	5	6	7	8	9	10	NEXT ROW WRITE
0	A B C	A B C	C A B	B C A	A B C	C A B	B C A	A B C	C A B	B C A	A B C	
1	B C A	B C A	A B C	C A B	B C A	A B C	C A B	B C A	A B C	C A B	B C A	
2	C A B	C A B	B C A	A B C	C A B	B C A	A B C	C A B	B C A	A B C	C A B	
3	A B C	A B C	C A B	B C A	A B C	C A B	B C A	A B C	C A B	B C A	A B C	
4	B C A	B C A	A B C	C A B	B C A	A B C	C A B	B C A	A B C	C A B	B C A	
5	C A B	C A B	B C A	A B C	C A B	B C A	A B C	C A B	B C A	A B C	C A B	
6	A B C	A B C	C A B	B C A	A B C	C A B	B C A	A B C	C A B	B C A	A B C	
7	B C A	B C A	A B C	C A B	B C A	A B C	C A B	B C A	A B C	C A B	B C A	
8	C A B	C A B	B C A	A B C	C A B	B C A	A B C	C A B	B C A	A B C	C A B	

FIG. 7

